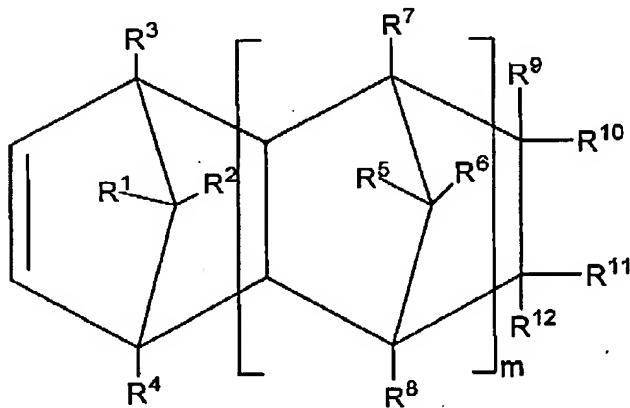


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CENTRAL FAX CENTER
OCT 27 2006 Page 2Listing of Claims**Claim 1. (Original)** A fluorine-containing copolymer comprising:

- a) a repeat unit derived from an ethylenically unsaturated compound having at least one fluorine atom covalently attached to an ethylenically unsaturated carbon atom; and
- b) a repeat unit derived from an ethylenically unsaturated cyclic compound of structure:



wherein m is 0, 1 or 2;

R¹ to R¹² are independently H, halogen, carboxyl, OH, or O₂C-R¹³, wherein R¹³ is a C₁-C₂₀ hydrocarbon group and at least one of R¹ to R¹² is OH or O₂C-R¹³.

Claim 2. (Original) The fluorine-containing copolymer of Claim 1, wherein R¹ to R¹¹ are each hydrogen, m is zero, and R¹² is OH or O₂C-R¹³, wherein R¹³ is a C₁-C₂₀ hydrocarbon group.**Claim 3. (Original)** The fluorine-containing copolymer of Claim 2, wherein R¹³ is a linear or branched alkyl group of 1 to 10 carbon atoms.**Claim 4. (Original)** The fluorine-containing copolymer of Claim 3, wherein R¹³ is methyl, ethyl or propyl.**Claim 5. (Original)** The fluorine containing copolymer of Claim 1, wherein the halogen is chlorine, fluorine, or bromine.

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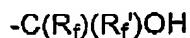
Claim 6. (Original) The fluorine-containing copolymer of Claim 1, wherein repeat unit (a) is derived from tetrafluoroethylene, hexafluoropropylene, chlorotrifluoroethylene, trifluoroethylene, vinyl fluoride, vinylidene fluoride, perfluoro-(2,2-dimethyl-1,3-dioxole), perfluoro-(2-methylene-4-methyl-1,3-dioxolane), $CF_2=CFO(CF_2)_tCF=CF_2$, wherein t is 1 or 2, or $R_fOCF=CF_2$ wherein R_f is a saturated fluoroalkyl group of from 1 to 10 carbon atoms.

Claim 7. (Original) The fluorine-containing copolymer of Claim 6, wherein repeat unit (a) is derived from tetrafluoroethylene.

Claim 8. (Original) The fluorine-containing copolymer of Claim 1, further comprising a repeat unit derived from tert-butyl acrylate or methyl adamantyl acrylate.

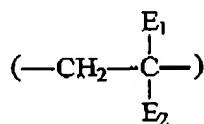
Claim 9. (Original) The fluorine-containing copolymer of Claim 1, further comprising a repeat unit which is a norbornyl fluoroalcohol or a protected norbornyl fluoroalcohol.

Claim 10. (Original) The fluorine-containing copolymer of Claim 1, further comprising a fluoroalcohol group derived from an ethylenically unsaturated compound containing a fluoroalcohol group having the structure:



wherein R_f and R'_f are the same or different fluoroalkyl groups of from 1 to 10 carbon atoms or taken together are $(CF_2)_n$ wherein n is 2 to 10.

Claim 11. (Original) The fluorine containing copolymer of Claim 1, further comprising an acid-containing or protected acid-containing structural unit:



wherein E_1 is H or C_1-C_{12} alkyl; E_2 is CO_2E_3 , or SO_3E ; and E and E_3 are H or unsubstituted or heteroatom-substituted C_1-C_{12} alkyl.

Claim 12. (Original) The fluorine containing copolymer of Claim 11, wherein the heteroatom is S, O, or N.

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Claims 13 – 28 (Canceled)